

Ciproxifan

Catalog No: tcsc0664



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

184025-18-1

Formula:

$C_{16}H_{18}N_2O_2$

Pathway:

Immunology/Inflammation;GPCR/G Protein

Target:

Histamine Receptor;Histamine Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

FUB-359

Observed Molecular Weight:

270.33

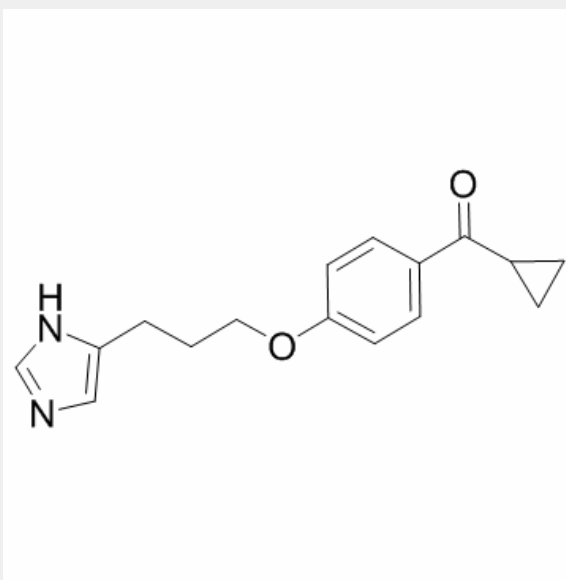
Product Description

Ciproxifan(FUB-359) is a highly potent and selective histamin H₃-receptor antagonist with IC₅₀ of 9.2 nM, with low apparent affinity at other receptor subtypes.

IC₅₀ value: 9.2 nM(K_i)

Target: H₃ receptor

In vitro, Ciproxifan behaved as a competitive antagonist at the H₃ autoreceptor controlling 3H histamine release from synaptosomes and displayed similar K_i values (0.5-1.9 nM) at the H₃ receptor controlling the electrically-induced contraction of guinea pig ileum or at the brain H₃ receptor labeled with 125I-iodoproxyfan. This appears to be an orally bioavailable, extremely selective and potent H₃-receptor antagonist whose vigilance- and attention-promoting effects are promising for therapeutic applications in aging disorders.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!